

Claims

1. A core locking device comprising members (25) for locking the device (17) to a winding core of a roll to be wound on a two-drum winder, advantageously to a core, which device (17) is placed on a slide (16) arranged in connection with the two-drum winder, which locking device (17) moves, as winding progresses, with the centre of the roll being formed along the slide (16), **characterized** in that the device (17) comprises an actuator (20) to produce a counterforce for the force caused by the mass of the core locking device (17) in the changed position of the core locking device (17).
2. A device as claimed in claim 1, **characterized** in that the actuator (20) is a hydraulic cylinder.
3. A device as claimed in claim 1, **characterized** in that the actuator (20) is a semi-rotary actuator.
4. A device as claimed in any one of the preceding claims, **characterized** in that an angle sensor (27) is arranged in connection with the actuator (20) for measuring the pivoting angle (α) of the core locking device (17) to determine the magnitude of the necessary counterforce.
5. A device as claimed in claim 1-2, 4, **characterized** in that the actuator (20) and the sensor (27) arranged in connection therewith are arranged to form an active damper in which the action of the actuator (20) is changed based on the measurement result provided by the sensor (27).
6. A device as claimed in claim 1 or 2, **characterized** in that the actuator (20) is arranged to form a passive damper in which the actuator (20) is a hydraulic cylinder, a change in damping being achieved by changing the flow of the hydraulic cylinder.

7. A device as claimed in any one of the preceding claims, **characterized** in that the actuator (20) and the sensor (27) arranged in connection with the device (17) are arranged to serve as a device that detects and/or eliminates the bouncing
5 phenomenon.

8. A device as claimed in any one of the preceding claims, **characterized** in that in two-drum winders which use as one winding drum a set of drums (11) around which a belt (14) has been disposed, the change of the starting position of winding
10 caused by wear of the belt (14) can be compensated for by means of the location of the device (17).

9. A device as claimed in any one of the preceding claims, **characterized** in that the force caused by the mass of the core locking device (17) is static and/or
15 dynamic.

10. A device as claimed in any one of the preceding claims, **characterized** in that the device (17) is disposed in connection with a variable geometry two-drum winder.
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